

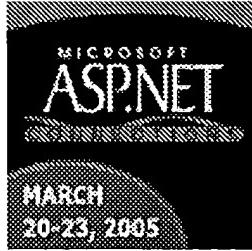
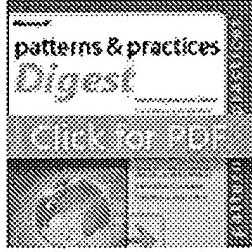
[MSDN Home](#)[Developer Centers](#)[Library](#)[Downloads](#)[How to Buy](#)[Subscribers](#)[Worldwide](#)

Search for

[MSDN Magazine](#)

MSDN MAGAZINE

The Microsoft Journal for Developers

[Advanced Search](#)[MSDN Magazine Home](#)[May 2000](#)[Search](#)[Source Code](#)[Back Issue Archive](#)[Column Archive](#)[Next Issue](#)[Subscribe](#)[Order Back Issues](#)[Reader Services](#)[Special CD Offer](#)[Meet the Staff](#)[Media Kit](#)[Submit an Article](#)[Write to Us](#)[Corrections](#)[MSJ Archive](#)[MIND Archive](#)[TechNet Magazine](#)[Magazine Newsgroup](#)[MSDN Home](#) > [MSDN Magazine](#) > [May 2000](#)

Download the complete code from this issue:  
MSDNMag0500.exe (945 KB)

MAY 2000

Volume 15 Number 5

- [\*\*BizTalk Server 2000: Architecture and Tools for Trading Partner Integration\*\*](#)  
Aaron Skonnard and Bob Laskey
- [\*\*Windows CE Web Server: Using Web Tools to Monitor and Manage Embedded Devices\*\*](#)  
Leonid Braginski and Matthew Powell
- [\*\*B2B Frontiers in E-Commerce: Implement Affiliate Programs to Create New Partnerships and Generate Business\*\*](#)  
Ted Coombs
  
- [\*\*Windows Management Instrumentation: Administering Windows and Applications across Your Enterprise\*\*](#)  
Jeffrey Cooperstein
- [\*\*Say Goodbye to Quirky APIs: Building a WMI Provider to Expose Your Object Info\*\*](#)  
Kevin Hughes and David Wchifford
- [\*\*Virtual Source Code Control Systems: Promoting and Managing Projects using Visual SourceSafe\*\*](#)  
Ken Ramirez
- [\*\*Editor's Note: Killer MSDN Programs and Killer Robots\*\*](#)
- [\*\*Flux: Operate your home appliances from the Web\*\*](#)  
Paul DiLascia
- [\*\*New Stuff: Resources for Your Developer Toolbox\*\*](#)  
Theresa W. Carey
- [\*\*Web Q&A: Displaying Processing Messages, Accessing File Size and Bandwidth, and Debugging ASP\*\*](#)  
Robert Hess
- [\*\*Cutting Edge: Extending HTML with Custom Tags\*\*](#)  
Dino Esposito
- [\*\*The XML Files: XPath, XSLT, and other XML Specifications\*\*](#)  
Aaron Skonnard
- [\*\*Serving the Web: Building and Testing ADO Components with Visual Basic\*\*](#)  
Ken Spencer
- [\*\*Basic Instincts: Porting Apps from MTS to COM+\*\*](#)  
Ted Pattison

[Yahoo!](#) [My Yahoo!](#) [Mail](#) Welcome, **tuanvu2112** [\[Sign Out\]](#) [My Account](#)

[Search](#) [Home](#) [Help](#)

[Web](#) | [Images](#) | [Video NEW!](#) | [Directory](#) | [Local](#) | [News](#) | [Products](#)



News Management Instrumentation: Administering Windows a

[Search](#)

[Shortcuts](#) [Advanced Search](#) [Preferences](#)

Search Results

Results 1 ~ 10 of about 848 for windows management instrumentation administering windows

## [Windows Management Instrumentation: Administering Windows and Applications across Your Enterprise](#)

This article provides an overview of Windows Management Instrumentation, a technology that exposes a wide variety of system management information and allows you to query and change system settings by following the object ... **across an enterprise** ...

[msdn.microsoft.com/msdnmag/issues/0500/wmiover/default.aspx](http://msdn.microsoft.com/msdnmag/issues/0500/wmiover/default.aspx) - 74k - Cached - More from this site

## [Say Goodbye to Quirky APIs: Building a WMI Provider to Expose Your Object Info](#) --- MSDN Magazine, April 2000

Windows® Management Instrumentation (WMI) is ... system and hardware management by ... **Windows Management** ...

[msdn.microsoft.com/msdnmag/issues/0500/wmiprov/default.aspx](http://msdn.microsoft.com/msdnmag/issues/0500/wmiprov/default.aspx) - 77k - Cached - More from this site

## [#1: Adding Application Mappings in IIS using C#](#)

Management Instrumentation: Administering Windows and Applications across Your Enterprise ... Management

[experts-exchange.com/Programming/.../C\\_Sharp/Q\\_21001398.html](http://experts-exchange.com/Programming/.../C_Sharp/Q_21001398.html) - 69k - Cached - More from this site

## [Print - Windows Scripting Resources](#)

Boshier, "Windows Management Instrumentation: A ... Windows Management," April 2000 ... Windows Management

[www.winnetmag.com/Articles/Print.cfm?ArticleID=16171](http://www.winnetmag.com/Articles/Print.cfm?ArticleID=16171) - More from this site

## [Windows Scripting Resources](#)

After you've searched the Windows Scripting Solutions Web site and the Windows 2000 Magazine Network for scripting instrumentation: A ... Windows Management," April 2000 ... Windows Management Instrumentation: Administering W

[www.winnetmag.com/Windows/Article/ArticleID/16171/16171.html](http://www.winnetmag.com/Windows/Article/ArticleID/16171/16171.html) - More from this site

## [How To Prestage a RIS Client Computer Using ADSI](#)

Intel's Wired For Management" & "specification ... Windows Management Instrumentation: Administering Window

[support.microsoft.com/default.aspx?scid=kb;en-us;302467](http://support.microsoft.com/default.aspx?scid=kb;en-us;302467) - 26k - Cached - More from this site

## [Windows 2000 Remote Management Tools](#)

This paper describes several new remote management tools that can be used to administer Windows 2000 machines, whether they are personal ... Windows Management Instrumentation standard. WMI lets management applications ... enterprise console

[www.microsoft.com/TechNet/prodtechnol/windows2000serv/.../centmang.asp](http://www.microsoft.com/TechNet/prodtechnol/windows2000serv/.../centmang.asp) - 50k - Cached - More from this site

## [Unicenter TNG Enterprise Management Strategy](#)

management software to correlate information across disciplines, devices and the enterprise ... for efficient instrumentati

[www.ca.com/products/unicent/whitepap.htm](http://www.ca.com/products/unicent/whitepap.htm) - 90k - Cached - More from this site

## [Windows 2000: Configuration and Management Introduction](#)

Microsoft® Windows® 2000 ... applications can then use this information to create solutions that reduce the maintenance

[www.microsoft.com/resources/documentation/windows/.../part3/proch07.mspx](http://www.microsoft.com/resources/documentation/windows/.../part3/proch07.mspx) - More from this site

## [Policy-Based Desktop Management in Windows XP](#)

Windows XP includes improved policy setting management ... is desired across the enterprise. Administrators can ... include management instrumentation (WMI) lets ...

[www.microsoft.com/windowsxp/evaluation/features/intellimirror.mspx](http://www.microsoft.com/windowsxp/evaluation/features/intellimirror.mspx) - 24k - Cached - More from this site

**Results Page:**

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [»](#) [Next](#)

[Web](#) | [Images](#) | [Video NEW!](#) | [Directory](#) | [Local](#) | [News](#) | [Products](#)

Your Search:  [Search](#)

**Web**Results 1 - 10 of about 566 for **console management console select class methods MOF**. (0.18 seconds)Did you mean: console management console select class methods OF**Microsoft SMS 2.0: Setting Up Remote Administrator Consoles**

... The Microsoft Management Console (Mmc.exe) and the SMS Administrator **console**  
... In the Add a Right page, **select the class** and instance of the SMS ...

[www.microsoft.com/resources/documentation/sms/2/all/reskit/en-us/part3/smco4.mspx](http://www.microsoft.com/resources/documentation/sms/2/all/reskit/en-us/part3/smco4.mspx) - 45k - Cached - Similar pages

**WMIC - Windows Management Instrumentation Command-line**

... displays the Win32\_Useraccount **class's** properties at the **console** in text format.  
... at the **console selected** processor information about two computers, ...  
[www.microsoft.com/technet/prodtechnol/windows2000serv/maintain/feat usability/wmic.mspx](http://www.microsoft.com/technet/prodtechnol/windows2000serv/maintain/feat usability/wmic.mspx) - 37k -  
Cached - Similar pages

**docs.sun.com: Solaris WBEM Developer's Guide**

... these services for WBEM through the Solaris Management Console User tool. ...  
information on the properties, **methods**, or events of the **selected class**. ...  
[docs.sun.com/app/docs/doc/817-0366/6mg60o6ss?a=view](http://docs.sun.com/app/docs/doc/817-0366/6mg60o6ss?a=view) - 31k - Cached - Similar pages

**Print - Windows Management Instrumentation: The Journey Begins**

... Ntevt.mof, Ntevt.dll, Provides properties and **methods** to manage the event logs (eg  
... ↑Custom MOF files define view **classes**. View **classes** are based on ...  
[www.win2000mag.com/Articles/Print.cfm?ArticleID=8959](http://www.win2000mag.com/Articles/Print.cfm?ArticleID=8959) - Similar pages

**Exploring WMI: Integrate WMI into the .NET Framework**

... a collection of MethodData objects that represent the **methods** defined in the  
WMI **class**. ... similar to the one you'll find in the **Management Console**. ...  
[www.devx.com/dotnet/Article/20162/1954?pf=true](http://www.devx.com/dotnet/Article/20162/1954?pf=true) - 41k - Cached - Similar pages

**Exploring WMI Part II: Using the Common Information Model**

... defines properties and **methods** that can appear in a **class** ... First, create  
a new **console** application and add a reference to the System. ...  
[www.devx.com/dotnet/Article/20183/1954?pf=true](http://www.devx.com/dotnet/Article/20183/1954?pf=true) - 34k - Cached - Similar pages

**Solaris WBEM Developer's Guide**

... Figure 9-1 Solaris Management Console Application With Log Viewer **Selected**  
... Parameters - Placeholders for the specific **classes**, **methods**, ...  
[docsun.cites.uiuc.edu/sun\\_docs/C/solaris\\_9/SUNWdev/WBEMSDKDG/p36.html](http://docsun.cites.uiuc.edu/sun_docs/C/solaris_9/SUNWdev/WBEMSDKDG/p36.html) - 13k - Cached - Similar pages

**Leveraging Windows Management Instrumentation in Win2K Pro**

Learn how to leverage WMI to create data **management** solutions. ... You can use  
the Microsoft Management Console (MMC)-based WMI Control snap-in to modify ...  
[www.winnetmag.com/Windows/Article/ArticleID/8819/8819.html](http://www.winnetmag.com/Windows/Article/ArticleID/8819/8819.html) - Similar pages

**A Developer's Point of View**

... Take each item in the list and declare one or **management classes** in a MOF file.  
... The Microsoft Management Console (MMC) is a **console** designed to ...  
[www.gwyncole.com/blogs/developer/archives/000060.html](http://www.gwyncole.com/blogs/developer/archives/000060.html) - 22k - Cached - Similar pages

**Microsoft Windows Management Interface (WMI)**

... wbemdump.exe displays **WMI classes**, runs **methods**, and executes queries against  
**classes** ... foreach( ManagementObject mo in queryCollection1 ) { **Console**. ...  
[www.wilsonmar.com/1wmiwbem.htm](http://www.wilsonmar.com/1wmiwbem.htm) - 49k - Cached - Similar pages



Subscribe Register      Login  
(Full Service) (Limited Service, Free)

Search:  The ACM Digital Library  The Guide  
(linking or binding) and (symbol table) and (instruction <near5> type) and

THE ACM DIGITAL LIBRARY

Feedback

Terms used

linking or binding and symbol table and instruction <near5> type and storing <near5> resolution

Sort results  
by

relevance



- Save results to a Binder
- Search Tips
- Open results in a new window

Try  
Try

Display results

expanded form



Results 1 - 20 of 200

Result page: 1 2 3 4 5 6 7 8 9

Best 200 shown

**1 EPIC - a retargetable, highly optimizing Lisp compiler**

R. R. Kessler, J. C. Peterson, H. Carr, G. P. Duggan, J. Knell

July 1986 ACM SIGPLAN Notices , Proceedings of the 1986 SIGPLAN symposium on Issue 7

Full text available: pdf(1.37 MB)

Additional Information: full citation, abstract, references, ci

The Experimental Portable Standard Lisp Compiler (EPIC) is a compiler testbed for development of, Lisp compilation strategies. EPIC uses an architectural description language to specify portability, and performs extensive optimizations in the form of source-to-source translation and peephole optimization. It introduces machine-specific instructions early to facilitate portability. EPIC provides a framework for testing and comparing different compilation strategies.

**2 Fast detection of communication patterns in distributed executions**

Thomas Kunz, Michiel F. H. Seuren

November 1997 Proceedings of the 1997 conference of the Centre for Advanced Studies in Parallel and Distributed Computing

Full text available: pdf(4.21 MB)

Additional Information: full citation, abstract, references

Understanding distributed applications is a tedious and difficult task. Visualizations are often used to obtain a better understanding of the execution of the application. Poet, an event tracer developed at the University of Waterloo. However, these visualizations do not provide the user with the desired overview of the application. In our experiments, we have found that the visualization of the occurrences of non-trivial communication patterns can help the user to quickly identify interesting communication patterns.

**3 Status report of the graphic standards planning committee**

Computer Graphics staff

August 1979 ACM SIGGRAPH Computer Graphics, Volume 13 Issue 3

Full text available:  pdf(15.01 MB) Additional Information: full citation, references, citations

**4 An abstract machine for tabled execution of fixed-order stratified logic programs**

Konstantinos Sagonas, Terrance Swift

May 1998 ACM Transactions on Programming Languages and Systems (TOPLAS)

Full text available:  pdf(602.38 KB) Additional Information: full citation, abstract, references, citations

SLG resolution uses tabling to evaluate nonfloundering normal logic programs. The SLG-WAM, which forms the engine of the XSB system, can compute order of magnitude faster than current deductive databases. At the same time it executes SLG code with minimal overhead and executes Prolog code with minimal overhead. The SLG-WAM brings to logic programs ...

Keywords: SLG, WAM, memoing, prolog, stratification theories, tabling

**5 A structural view of the Cedar programming environment**

Daniel C. Swinehart, Polle T. Zellweger, Richard J. Beach, Robert B. Hagmann

August 1986 ACM Transactions on Programming Languages and Systems (TOPLAS)

Full text available:  pdf(6.32 MB) Additional Information: full citation, abstract, references, citations

This paper presents an overview of the Cedar programming environment, focusing on the major components of Cedar and the way they are organized. Cedar supports programmers who write in a single programming language, also called Cedar. Its primary purpose is to support programmers whose activities include experimental programming and the development of applications for a high-performance personal computer. The ...

**6 Computing curricula 2001**

September 2001 Journal on Educational Resources in Computing (JERIC)

Full text available:  pdf(613.63 KB)  html(2.78 KB) Additional Information: full citation, references, citations, links

## 7 Parallel logic programming systems

Jacques Chassin de Kerommeaux, Philippe Codognet

September 1994

ACM Computing Surveys (CSUR), Volume 26 Issue 3

Full text available:  pdf(3.51 MB)

Additional Information: full citation, abstract, references, citi

Parallelizing logic programming has attracted much interest in the research cc  
and AND-parallelisms of logic programs. One research stream aims at transpa  
existing logic programming languages such as Prolog, while the family of conc  
language constructs allowing programmers to express the concurrency&mdash;  
synchronization between parallel processes&mdash;withi ...

Keywords: AND-parallelism, OR-parallelism, Prolog, Warren Abstract Machine,  
programming, constraints, guard, hash windows, load balancing, massive para  
multisegmental implementation techniques, nondeterminism, scheduling para

## 8 Firmware approach to fast Lisp interpreter

Hiroshi G. Okuno, Nobuyasu Osato, Ikuo Takeuchi

December 1987

Proceedings of the 20th annual workshop on Microprogram

Full text available:  pdf(1.14 MB)

Additional Information: full citation, abstract, referen

The approach to speed up a Lisp interpreter by implementing it in firmware se  
interpreter shows good performance for very simple benchmarks, while it ofte  
larger benchmarks and applications unless speedup techniques are devised fo  
system. This paper describes various techniques devised for the TAO/ELIS sys  
of the TAO language implemented on t ...

## 9 Pluggable verification modules: an extensible protection mechanism for the

Philip W. L. Fong

October 2004 ACM SIGPLAN Notices , Proceedings of the 19th annual ACM SIGPLA  
programming, systems, languages, and applications, Volume 39 Iss

Full text available:  pdf(224.39 KB)

Additional Information: full citation, abstract, referen

Through the design and implementation of a JVM that supports  
(PVMs), the idea of an extensible protection mechanism is ente  
verification becomes a pluggable service that can be readily rep  
augmented. Application-specific verification services can be saf  
linking process of the JVM. This feature is enabled by the adopt  
modular verification architecture, Pro ...

Keywords: Aegis VM, Java virtual machine, bytecode verificatio  
mechanism, extensible systems, mobile code security, pluggab  
linking

**10 Draft Proposed: American National Standard—Graphical Kernel System**

Technical Committee X3H3 - Computer Graphics

February 1984 ACM SIGGRAPH Computer Graphics, Volume 18 Issue SI

Full text available:  pdf(16.07 MB)

Additional Information: full citation

**11 Curriculum 68: Recommendations for academic programs in computer science committee on computer science**

William F. Atchison, Samuel D. Conte, John W. Hamblen, Thomas E. Hull, Thomas McCluskey, Silvio O. Navarro, Werner C. Rheinboldt, Earl J. Scheweppe, William V. March 1968 Communications of the ACM, Volume 11 Issue 3

Full text available:  pdf(6.63 MB)

Additional Information: full citation, reference

**Keywords:** computer science academic programs, computer science bibliography, computer science curriculum, computer science education, computer science courses, undergraduate programs

**12 System-level power optimization: techniques and tools**

Luca Benini, Giovanni de Micheli

April 2000 ACM Transactions on Design Automation of Electronic Systems (TODAES)

Full text available:  pdf(385.22 KB)

Additional Information: full citation, abstract, references, citations

This tutorial surveys design methods for energy-efficient system-level design, consisting of a hardware platform and software layers. We consider the three units that consume energy, namely computation, communication, and storage units, and their energy consumption. We also study models for analyzing the energy cost of software design and compilation. This survey ...

**13 Parsing and compiling using Prolog**

Jacques Cohen, Timothy J. Hickey

March 1987 ACM Transactions on Programming Languages and Systems (TOPLAS)

Full text available:  pdf(2.83 MB)

Additional Information: full citation, abstract, references, citations

This paper presents the material needed for exposing the reader to the advanced techniques for describing succinctly most of the algorithms needed in prototyping and implementing compilers that facilitate this task. The available published material on the subject describes how to implement compilers using Prolog. It consists of coupling actions to recursive syntax-trees which are subsequently utilized ...

**14 A type driven hardware engine for Prolog clause retrieval over a large know**

K.-F. Wong, M. H. Williams

April 1989 ACM SIGARCH Computer Architecture News , Proceedings of the 16th ACM SIGARCH Computer architecture, Volume 17 Issue 3

Full text available:  pdf(1.13 MB)

Additional Information: full citation, abstract, references, citing, index terms

Whereas existing Prolog systems are very effective at handling small knowledge bases and often incapable of handling large sets of clauses. Large knowledge bases and are shared by a number of users, may need to reside in secondary memory and are inordinately slow. Various approaches have been put forward for handling the systems (loosely ...)

**15 Interactive Editing Systems: Part II**

Norman Meyrowitz, Andries van Dam

September 1982 ACM Computing Surveys (CSUR), Volume 14 Issue 3

Full text available:  pdf(9.17 MB) Additional Information: full citation, references, citing, index terms

**16 A framework for efficient reuse of binary code in Java**

Pramod G. Joisha, Samuel P. Midkiff, Mauricio J. Serrano, Manish Gupta

June 2001 Proceedings of the 15th international conference on Supercomputing

Full text available:  pdf(419.49 KB)

Additional Information: full citation, abstract, references, citing, index terms

This paper presents a compilation framework that enables efficient reuse of binary code across distinct Java Virtual Machine (JVM) instances. High-performance compilation, since static compilation cannot handle many dynamic environments that suffer from large memory footprints and high startup costs, whether in embedded devices (such as hand held personal digital assistants) or in scalable servers. A recently proposed ...

**17 Affix grammar driven code generation**

Mahadevan Ganapathi, Charles N. Fischer

October 1985 ACM Transactions on Programming Languages and Systems (TOPL)

Full text available:  pdf(3.18 MB)

Additional Information: full citation, abstract, references, citing, index terms

Affix grammars are used to describe the instruction set of a target architecture. A code generator is obtained automatically for a compiler using a model that is built on this model can automatically perform most popular machine-dependent optimizations. Code generators based on this model demonstrate retargetability.

## 18 The family of concurrent logic programming languages

Ehud Shapiro

September 1989

ACM Computing Surveys (CSUR), Volume 21 Issue 3

Full text available:  pdf(9.62 MB)

Additional Information: full citation, abstract, references, citi

Concurrent logic languages are high-level programming languages for parallel wide range of both known and novel concurrent programming techniques. Bei preserve many advantages of the abstract logic programming model, including computations, the convenience of representing data structures with logical ter unification, and the amenability to metaprogrammin ...

## 19 Status report of the graphic standards planning committee of ACM/SIGGR/ software packages

Computer Graphics staff

September 1977

ACM SIGGRAPH Computer Graphics, Volume 11 Issue 3

Full text available:  pdf(9.03 MB)

Additional Information: full citation, referenc

## 20 Retargetable Compiler Code Generation

Mahadevan Ganapathi, Charles N. Fischer, John L. Hennessy

December 1982 ACM Computing Surveys (CSUR), Volume 14 Issue 4

Full text available:  pdf(1.93 MB) Additional Information: full citation, references, citations, index terms

Results 1 - 20 of 200

Result page: **1** 2 3 4 5 6 7

The ACM Portal is published by the Association for Computing Machinery. C

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Cont](#)

Useful downloads:  Adobe Acrobat  QuickTime  Windows Medi



## 23 "Topologies"—distributed objects on multicomputers

Karsten Schwan, Win Bo

May 1990 ACM Transactions on Computer Systems (TOCS), Volume 8 Issue

Full text available:  pdf(3.83 MB)

Additional Information: full citation, abstract, references, citing

Application programs written for large-scale multicomputers with interconnect (e.g., hypercubes or meshes) use complex communication structures for conn Such structures implement a wide variety of functions, including the exchange to the task computations and/or the communications required for task synchr under program control, and so o ...

## 24 Type-Safe linking with recursive DLLs and shared libraries

Dominic Duggan

November 2002 ACM Transactions on Programming Languages and Systems (TO

Full text available:  pdf(658.62 KB)

Additional Information: full citation, abstract, references,

Component-based programming is an increasingly prevalent theme in software expressive and safe module interconnection languages. Dynamic linking is an interconnection languages, as exemplified by dynamic link libraries (DLLs) and Java, respectively. A semantics is given for a type-safe module interconnection libraries and dynamic linking, as well as circular ...

Keywords: Dynamic Linking, Module Interconnection Languages, Recursive Mc

## 25 Dynamic binding of separately compiled objects under program control

Rex E. Gantenbein, Douglas W. Jones

February 1986 Proceedings of the 1986 ACM fourteenth annual conference on Com

Full text available:  pdf(535.81 KB)

Additional Information: full citation, references

## 26 A semantics-directed compiler generator

Lawrence Paulson

January 1982 Proceedings of the 9th ACM SIGPLAN-SIGACT symposium on Princip

Full text available:  pdf(979.61 KB)

Additional Information: full citation, references, c

**27 Compile-time memory reuse in logic programming languages through update propagation**

Gudjón Gudjónsson, William H. Winsborough

May 1999 ACM Transactions on Programming Languages and Systems (TOPLAS)

Full text available:  pdf(693.38 KB)

Additional Information: full citation, abstract, references, cite

Standard implementation techniques for single-assignment languages modify the original, which may subsequently be accessed. Instead a variant structure is created to represent the changed portion and to replace any cell that references a newly created structure. The effort required to leave the original unchanged program will never reference ...

Keywords: Prolog, compile-time garbage collection, local reuse, reuse map, update propagation

**28 TCOL Ada and the "middle end" of the PQCC Ada compiler**

Benjamin M. Brosgol

November 1980 ACM SIGPLAN Notices , Proceeding of the ACM-SIGPLAN symposium  
Volume 15 Issue 11

Full text available:  pdf(1.14 MB)

Additional Information: full citation, abstract, references, cite

A compiler is traditionally partitioned into a (mostly) machine independent Front End for syntactic, and semantic analysis, and a machine dependent Back End which performs code generation. In the Ada compiler being implemented at Carnegie-Mellon University we identify a set of phases occurring at the start of the Back End - i.e., "Middle End" optimization. These phases, known collectively ...

**29 An optimizing compiler for lexically scoped LISP**

Rodney A. Brooks, Richard P. Gabriel, Guy L. Steele

June 1982 ACM SIGPLAN Notices , Proceedings of the 1982 SIGPLAN symposium  
Volume 15 Issue 6

Full text available:  pdf(1.37 MB)

Additional Information: full citation, abstract, references, cite

We are developing an optimizing compiler for a dialect of the LISP language. The S-I, a multiprocessing supercomputer designed at Lawrence Livermore National Laboratory, is thought of as a language primarily for symbolic processing and list manipulation. It is intended to compete with the S-1 PASCAL and FORTRAN compilers for quality of compiled code and for extremely high-speed signal processing ...

**30 Levels of representation of programs and the architecture of universal host computers**

B. Ramakrishna Rau

November 1978 Proceedings of the 11th annual workshop on Microprogrammed computers

Full text available:  pdf(1.12 MB)

Additional Information: full citation, abstract, references, cite

The issue of high level language support is treated in a systematic top-down manner and categorized into three classes with respect to a host processor: high level representations and directly executable representations. The space of intermediate representations is explored and it is shown that whereas the ideal intermediate language is directly executable on ...

### **31 Technical reports**

SIGACT News Staff

January 1980 ACM SIGACT News, Volume 12 Issue 1

Full text available:  pdf(5.28 MB) Additional Information: full citation

### **32 Fast algorithms for compressed multimethod dispatch table generation**

Eric Dujardin, Eric Amiel, Eric Simon

January 1998 ACM Transactions on Programming Languages and Systems (TOPL)

Full text available:  pdf(682.21 KB) Additional Information: full citation, abstract, references,

The efficiency of dynamic dispatch is a major impediment to the adoption of n languages. In this article, we propose a simple multimethod dispatch scheme. This scheme is applicable to any object-oriented language using a method premonotonous property (e.g., as Cecil and Dylan) and guarantees that dynamic the latter being a major requirement for so ...

Keywords: dispatch tables, late binding, multimethods, optimization, pole typi

### **33 The structure of Cedar**

Daniel C. Swinehart, Polle T. Zellweger, Robert B. Hagmann

June 1985 Proceedings of the ACM SIGPLAN 85 symposium on Language issues in  
20 , 18 Issue 7 , 6

Full text available:  pdf(1.79 MB) Additional Information: full citation, abstract, references, ci

This paper presents an overview of the Cedar programming environment, focu the major components of Cedar and the way they are organized. Cedar support in a single programming language, also called Cedar. We will emphasize the e runtime support, has influenced the organization, comprehensibility, and stab Science Laboratory (CS ...

### **34 The FINITE STRING Newsletter: Abstracts of current literature**

Computational Linguistics Staff

January 1987 Computational Linguistics, Volume 13 Issue 1-2

Full text available:  pdf(6.15 MB)  Publisher Site Additional Information: full citation

### 35 On the use of naming and binding in early courses

Mark Smotherman

February 1987 ACM SIGCSE Bulletin , Proceedings of the eighteenth SIGCSE techn  
education, Volume 19 Issue 1

Full text available:  pdf(463.82 KB)

Additional Information: full citation, abstract, references,

In most computer science curricula, the concepts of naming and binding are e  
of the later courses, such as operating systems and programming language fo  
fundamental and underlie the whole of computer science. In this paper, a proj  
these concepts in the second or third course so that they may be used in the i  
throughout a student's program of study. Th ...

### 36 Interactive Editing Systems: Part I

Norman Meyrowitz, Andries van Dam

September 1982 ACM Computing Surveys (CSUR), Volume 14 Issue 3

Full text available:  pdf(3.08 MB) Additional Information: full citation, citations, index terms

### 37 Debugging standard ML without reverse engineering

Andrew P. Tolmach, Andrew W. Appel

May 1990 Proceedings of the 1990 ACM conference on LISP and functional pro

Full text available:  pdf(1.29 MB)

Additional Information: full citation, abstract, references, citi

We have built a novel and efficient replay debugger for our Standard ML comp  
by instrumenting the user's source code; this approach, made feasible by ML's  
machine-independent and back-end independent. Replay is practical because  
our compiler uses continuation-passing style; thus most of the program's stat  
compactly using call-with-current-continuation. Together, ...

### 38 Environmental acquisition: a new inheritance-like abstraction mechanism

Joseph Gil, David H. Lorenz

October 1996 ACM SIGPLAN Notices , Proceedings of the 11th ACM SIGPLAN confe  
systems, languages, and applications, Volume 31 Issue 10

Full text available:  pdf(2.40 MB)

Additional Information: full citation, abstract, references, ci

The class of an object is not necessarily the only determiner of its runtime beh  
object behave differently depending upon the other objects to which it is conn  
object-oriented programming provides no support for this concept, and little r  
practical programming situations. This paper investigates a new programming  
the context of *object ag* ...

**39 Live-structure dataflow analysis for Prolog**

Anne Mulkers, William Winsborough, Maurice Bruynooghe

March 1994 ACM Transactions on Programming Languages and Systems (TOPLA)

Full text available:  pdf(3.59 MB)

Additional Information: full citation, abstract, references, citing

For the class of applicative programming languages, efficient methods for reclaiming released data structures constitute an important aspect of current implementation. The problem of memory reuse for logic programs through program analysis rather than compilation is considered. The aim is to derive run-time properties that can be used at compile time to select according to a given set of queries and ...

Keywords: Prolog, abstract interpretation, compile-time garbage collection, live-structure analysis

**40 Special issue on prototypes of deductive database systems: The glue-nail compiler, implementation, and evaluation**

Marcia A. Derr, Shinichi Morishita, Geoffrey Phipps

April 1994 The VLDB Journal — The International Journal on Very Large Data Bases

Full text available:  pdf(2.16 MB)

Additional Information: full citation, abstract, references, citing

We describe the design and implementation of the Glue-Nail deductive database system. Glue is a query language; Nail is a procedural language used for non-query activities. It is sufficient to write a complete application. Nail and Glue code are both compiled into machine code. The Nail compiler uses variants of the magic sets algorithm and supports well-known optimization techniques. The optimizer uses peephole techniques and data ...

Keywords: language, performance, query optimization

Results 21 - 40 of 200

Result page: previous 1 **2** 3 4

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  Adobe Acrobat  QuickTime  Windows Media